

ABSTRACT OF THE DISCLOSURE

A body fluid sampling system is provided for use on a tissue site. In one embodiment, the system comprises a cartridge; a penetrating member driver; a plurality of penetrating members arranged in a radial configuration on the cartridge wherein sharpened distal tips of the penetrating members point radially outward; wherein an active one of the penetrating members may be operatively coupled to the penetrating member driver, the penetrating member driver moving the active one along a path out of a housing having a penetrating member exit, into the tissue site, stopping in the tissue site, and withdrawing out of the tissue site; and a plurality of analyte detecting members, wherein at least one of the analyte detecting members is positioned to receive fluid from a wound created by the active one of the penetrating members, wherein the detecting members are not pierced by the active one of the penetrating members.